NEUROSCIENCE & BIOBEHAVIORAL REVIEWS

VOLUME 4 NUMBER 1 SPRING 1980

CONTENTS

Behavioral effects of LH-RH. MAUK, M. D., G. A. OLSON, A. J. KASTIN and R. D. OLSON 1

Behavioral effects of melanocyte stimulating hormone. LAHOSTE, G. J., G. A. OLSON, A. J. KASTIN and R. D. OLSON 9

Hormonal and behavioral aspects of maternal care in the hamster: A review. SIEGEL, H. I. and J. S. ROSENBLATT 17

A chronometric approach to the study of feeding behavior. ARMSTRONG, S. 27

Autoanalgesia: Opiate and non-opiate mechanisms. CHANCE, W. T. 55

The role of endorphins in animal learning and behavior. RILEY, A. L., D. A. ZELLNER and H. J. DUNCAN 69

The role of endorphins in stress: Evidence and speculations. AMIR, S., Z. W. BROWN and Z. AMIT 77

Stress-induced analgesia: Neural and hormonal determinants. BODNAR, R. J., D. D. KELLY, M. BRUTUS and M. GLUSMAN 87

BOOK REVIEWS

Gazzaniga, M. S. and J. E. LeDoux *The Integrated Mind.* KUTSCHER, C. L. 101

Russell, I. S., M. W. Van Hof and G. Berlucchi (Eds.) *Structure and Function of Cerebral Commissures.* KUTSCHER, C. L. 102

NEUROSCIENCE & BIOBEHAVIORAL REVIEWS

VOLUME 4 NUMBER 2 SUMMER 1980

CONTENTS

The issue of primary tastes versus a taste continuum. SCHIFFMAN, S. S. and R. P. ERICKSON 109

Food availability and daily biological rhythms. BOULOS, Z. and M. TERMAN 119

Gonadal hormones and the induction of intraspecific fighting in mice. GANDELMAN, R. 133

Placentophagia: A biobehavioral enigma (or *De gustibus non disputandum est*). KRISTAL, M. B. 141

A re-examination of the ventromedial hypothalamic paradox. KING, B. M. 151

Catecholamines and aversive learning: A review. OEI, T. P. S. and M. G. KING 161

Changes in body temperature after administration of acetylcholine, histamine, morphine, prostaglandins and related agents. CLARK, W. G. and Y. L. CLARK 175

Neurochemical modulation of the startle reflex: Review and theory. DAVIS, M. 241

Food intake in the exercising rat: A brief review. NIKOLETSEAS, M. M. 265

ANNOUNCEMENTS 269

NEUROSCIENCE & BIOBEHAVIORAL REVIEWS

VOLUME 4 NUMBER 3 FALL 1980

CONTENTS

Changes in body temperature after administration of adrenergic and serotonergic agents and related drugs including antidepressants. CLARK, W. G. and Y. L. CLARK 281

Food and water deprivation: Changes in rat feeding, drinking, activity and body weight. ARMSTRONG, S., G. COLEMAN and G. SINGER 377

BOOK REVIEWS

Ciba Foundation Symposium 62. *Sex, Hormones and Behavior.* KUTSCHER, C. 403

K. Fuxe, T. Hokfelt, R. Luft (Eds.) *Central Regulation of the Endocrine System.* KUTSCHER, C. 404

D. T. Krieger and J. C. Hughes (Eds.) *Neuroendocrinology.* KUTSCHER, C. 405

W. H. Birkenhager and H. E. Falke (Eds.) *Circulating Catecholamines and Blood Pressure.* KUTSCHER, C. 405

ANNOUNCEMENTS 407

NEUROSCIENCE & BIOBEHAVIORAL REVIEWS

VOLUME 4 NUMBER 4 WINTER 1980

CONTENTS

An overview of neurobiological comparisons in mouse strains. INGRAM, D. K. and T. P. CORFMAN 421

Oscillatory electrographic activity in the hippocampus: A mathematical model. KLEMM, W. R. and N. W. NAUGLE 437

Melatonin: Effects on brain and behavior. DATTA, P. C. and M. G. KING 451

Peptides and thermoregulation. YEHUDA, S. and A. J. KASTIN 459

Endogenous opioids and social behavior. PANKSEPP, J., B. H. HERMAN, T. VILBERG, P. BISHOP and F. G. DEESKINAZI 473

Genetics in the analysis of behaviour. HAY, D. A. 489

ANNOUNCEMENTS 508